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Applicant : Terryle L. Sneed  
Serial No. : 10/092,870  
File Date : March 6, 2002  
Title : CONNECTOR BRACKETS

Art Unit : Unknown  
Examiner : Unknown

Glendale, California -- June 14, 2002

Honorable Commissioner of  
Patents and Trademarks  
Washington, D.C. 20231

Dear Sir:

This communication is in the nature of a Preliminary Amendment to the above-noted application filed March 6, 2002. Upon review of the application as filed certain typographical errors were noted that require the filing of a Preliminary Amendment at this time. Please amend the application as follows:

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I hereby certify that this paper or fee is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to the Commissioner of Patents and Trademarks, Washington, D.C. 20231

Bonnie Perkle  
(Printed Name)

Bonnie Perkle  
(Signature)

In the Specification: Page 9, line 8

Amended Figure 35

Figure 35 is a cross-sectional view taken along lines 35-35 of figure 34.

Version with markings to show changes made:

Amend Figure 35

Figure 35 is a cross-sectional view taken along lines [36-36] 35-35 of figure 34.

In the Specification: Page 9, line 10:

Amended Figure 36

Figure 36 is a view taken along lines 36-36 of figure 34.

Version with markings to show changes made:

Amend Figure 36

Figure 36 is a view taken along lines [21-21] 36-36 of figure [20] 34.

In the Specification: Page 12, Paragraph beginning on line 3:

Amended Paragraph:

Also forming a part of the connector apparatus of the invention is a first elongated spanner plate 32 that spans the spaced-apart, vertically extending columns 14. Plate 32 has a first face 32a that engages the outer face of the columns 14 and a second face 32b that engages faces 28a of the angle brackets 16 and 18. Interconnecting the first legs 24 of first and second angle brackets 16 and 18 is a tie bolt 36. Tie bolt 36 extends through the apertures 26 formed in legs 16 and 18 and is secured in position by a locking nut 39. In the present form of the invention, angle brackets 16, 18, 20 and 22, along with spanner plate 32, comprise the interconnection means of the invention for adjustably interconnecting a first connector bracket, that is generally designated in the drawings by the numeral 42, with the structural components which here comprise columns 14 and 14a.

Version with markings to show changes made: Page 12, Paragraph beginning on Line 3:

Amend Paragraph:

Also forming a part of the connector apparatus of the invention is a first elongated spanner plate 32 that spans the spaced-apart, vertically extending columns 14. Plate 32 has a first face 32a that engages the outer face of the columns 14 and a second face 33b that engages faces 28a of the angle brackets [28] 16 and 18. Interconnecting the first legs 24 of first and second angle brackets 16 and 18 is a tie bolt 36. Tie bolt 36 extends through the apertures 26 formed in legs 16 and 18 and is secured in position by a locking nut 39. In the present form of the invention, angle brackets 16, 18, 20 and 22, along with spanner plate 32, comprise the interconnection means of the invention for adjustably interconnecting a first connector bracket, that is generally designated in the drawings by the numeral 42, with the structural components which here comprise columns 14 and 14a.

In the Specification: Page 13, Paragraph beginning on line 3:

Amend Paragraph:

In order to urge leg 42a of connector bracket 42 into secure engagement with columns 14, third and fourth eyebolts 50 and 52 are interconnected with the angle brackets in the manner shown in figure 2. More particularly, eyebolt 50 functions to interconnect leg 28 of first angle bracket 16 with leg 20d of second angle bracket 20, while eyebolt 52 functions to interconnect leg 28 of third angle bracket 18 with leg 22d of fourth angle bracket 22. Eyebolt 50, that has a threaded end 50a, extends through an aperture 20e formed in bracket 20, through an aperture 43 formed in leg 42a of bracket 42, through an aperture 32b formed in spanner plate 32 and finally through the aperture 30 formed in leg 28 of angle bracket 16. Eyebolt 50 is held in position by means of a locking nut 53. In similar fashion, eyebolt 52, that has a threaded end 52a, extends through an aperture 22e formed in leg 22d of bracket 22, through an elongated aperture 55 formed in leg 42a of connector plate 42, through an elongated aperture 32c formed in spanner plate 32 and finally through the aperture 30 formed in leg 28 of angle bracket 18. Eyebolt 52 is held in position by means of a locking nut 57. Elongated apertures 55 and 32c permit longitudinal adjustment of brackets 18 and 22 to accommodate for variations in the spacing of columns 14.



Version with markings to show changes made: Page 13 beginning at Line 3:

Amend Paragraph:

In order to urge leg 42a of connector bracket 42 into secure engagement with columns 14, third and fourth eyebolts 50 and 52 are interconnected with the angle brackets in the manner shown in figure 2. More particularly, eyebolt 50 functions to interconnect leg 28 of first angle bracket 16 with leg 20d of second angle bracket 20, while eyebolt 52 functions to interconnect leg 28 of [second] third angle bracket 18 with leg 22d of fourth angle bracket 22. Eyebolt 50, that has a threaded end 50a, extends through an aperture 20e formed in bracket 20, through an aperture 43 formed in leg 42a of bracket 42, through an aperture 32b formed in spanner plate 32 and finally through the aperture 30 formed in leg 28 of angle bracket 16. Eyebolt 50 is held in position by means of a locking nut 53. In similar fashion, eyebolt 52, that has a threaded end 52a, extends through an aperture 22e formed in leg 22d of bracket 22, through an elongated aperture 55 formed in leg 42a of connector plate 42, through an elongated aperture 32c formed in spanner plate 32 and finally through the aperture 30 formed in leg 28 of angle bracket 18. Eyebolt 52 is held in position by means of a locking nut 57. Elongated apertures 55 and 32c permit longitudinal adjustment of brackets 18 and 22 to accommodate for variations in the spacing of columns 14.

In the Specification: Page 14 first Paragraph beginning on line 1:

Page 14 second Paragraph beginning on line 13

Amended Paragraph:

As best seen in figure 4, first connector bracket 42 has a second leg 42b that extends generally perpendicularly to leg 42a. Formed within second leg 42 of connector bracket 42b are first and second sets of through holes 59 and 61, the purpose of which will presently be described. Holes 59 are disposed along a first line 62 that extends at an acute angle with respect to first leg 42a of connector bracket 42. Similarly, through holes 61 are disposed along a second line 64 that extends at an acute angle with respect to first leg 42a of connector bracket 42. Each of the through holes 59 and 61 are generally rectangular in plan and are of a size and shape to closely receive the square shank portion of threaded connector bolts which, in a manner presently to be described, are used to interconnect a second connector bracket 66 with bracket 42.

Second connector bracket 66, which functions to adjustably support one of the counterweight rails "R", is adjustably interconnected with first connector bracket 42 in a manner now to be described. Like bracket 42, connector bracket 66 is provided with first and second sets of through holes 67

and 69. Holes 67 are disposed along a third line 70 that extends at an acute angle with respect to first leg 66a of connector bracket 66 and also angularly with respect to line 64. Similarly, through holes 69 are disposed along a fourth line 71 that extends angularly with respect to first leg 66a of connec-

Version with markings to show changes made: Page 14 first paragraph beginning on line 1; and Page 14 second paragraph beginning on line 13:

As best seen in figure 4, first connector bracket 42 has a second leg 42b that extends generally perpendicularly to leg 42a. Formed within second leg 42 of connector bracket [42] 42b are first and second sets of through holes 59 and 61, the purpose of which will presently be described. Holes 59 are disposed along a first line 62 that extends at an acute angle with respect to first leg 42a of connector bracket 42. Similarly, through holes 61 are disposed along a second line 64 that extends at an acute angle with respect to first leg 42a of connector bracket 42. Each of the through holes 59 and 61 are generally rectangular in plan and are of a size and shape to closely receive the square shank portion of threaded connector bolts which, in a manner presently to be described, are used to interconnect a second connector bracket 66 with bracket 42.

Second connector bracket 66, which functions to adjustably support one of the counterweight rails "R", is adjustably interconnected with first connector bracket 42 in a manner now to be described. Like bracket 42, connector bracket 66 is provided with first and second sets of through holes 67 and 69. Holes 67 are disposed along a third line 70 that extends at an acute angle with respect to first leg 66a of connector bracket 66 and also angularly

with respect to line 64. Similarly, through holes 69 are disposed along a fourth line [71] 72 that extends angularly with respect to first leg 66a of connec-

In the Specification: Page 16, lines 3, 4, 5, and 9

Amended Page 16:

larly, when the connector bracket 66 is correctly aligned with bracket 42 and a selected one of the through holes 69 is indexably aligned with a selected one of the through holes 59, a second bolt, such as connector a bolt 73, can be introduced into the aligned through holes. With the bolts 72 and 73 in position with the square shank portions 73a thereof (figure 4) closely received within the aligned holes, nuts such as nut 77 can be used to securely interconnect connector bracket 66 with bracket 42 in the manner shown in figures 2 and 3. When the brackets are thusly connected, the square shaped shank portions 73a of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets even under severe seismic loading.

Version with markings to show changes made: Page 16, lines 3, 4, 5, and 9:

Amend Page 16:

larly, when the connector bracket 66 is correctly aligned with bracket 42 and a selected one of the through holes 69 is indexably aligned with a selected one of the through holes 59, a second bolt, such as connector a bolt [74] 73, can be introduced into the aligned through holes. With the bolts 72 and [74] 73 in position with the square shank portions [75] 73a thereof (figure 4) closely received within the aligned holes, nuts such as nut 77 can be used to securely interconnect connector bracket 66 with bracket 42 in the manner shown in figures 2 and 3. When the brackets are thusly connected, the square shaped shank portions [75] 73a of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets even under severe seismic loading.

In the Specification: Page 17, Paragraph beginning on Line 1:

Amended Paragraph:

It is to be noted that second leg 66a of connector bracket 66 is provided with spaced-apart, outwardly extending walls 76 and 76a, each of which is provided with a bore 77 that is adapted to receive the shank of a threaded jackbolt 78. Jackbolts 78 are threadably received within an adjustment nut 79 that is connected to each of the jackbolts. Adjustment nuts 79 bear upon the outer surface of walls 76 so that, when the jackbolts are threaded inwardly and outwardly with respect to nuts 79, clips 74 can be adjusted longitudinally of leg 66a. In this regard, each of the jackbolts 78 terminates in an end 78a that is in engagement with a selected one of the connector clips 74 so that by loosening bolts 75 and threading the jackbolts inwardly and outwardly relative to nuts 79, clips 74 can be moved into and out of clamping engagement with legs R-1 of rail R. To permit this adjustment, leg 66a of bracket 66 is provided with a pair of spaced-apart slots 66b that accept the shank portion of the connector bolts 75. It is apparent that by loosening locking nuts 80, clips 74 can be moved toward and away from guide rail R in the direction of the arrows of figure 2 and can be securely locked in position by tightening jack bolts 78 and then by retightening locking nuts 80.



It is to be understood that when the apparatus of the invention is installed within the hoistway in the manner shown in Figure 1A, the various degrees of adjustment available to the installer permits the installer to precisely lo

Version with markings to show changes made: Page 17, Paragraph beginning on line 1:

Amend Paragraph:

It is to be noted that second leg 66a of connector bracket 66 is provided with spaced-apart, outwardly extending walls 76 and 76a, each of which is provided with a bore 77 that is adapted to receive the shank of a threaded jackbolt 78. Jackbolts 78 are threadably received within an adjustment nut 79 that is connected to each of the jackbolts. Adjustment nuts 79 bear upon the outer surface of walls 76 so that, when the jackbolts are threaded inwardly and outwardly with respect to nuts 79, clips 74 can be adjusted longitudinally of leg 66a. In this regard, each of the jackbolts 78 terminates in an end 78a that is in engagement with a selected one of the connector clips 74 so that by loosening bolts 75 and threading the jackbolts inwardly and outwardly relative to nuts 79, clips 74 can be moved into and out of clamping engagement with legs R-1 of rail R. To permit this adjustment, leg 66a of bracket 66 is provided with a pair of spaced-apart slots [79] 66b that accept the shank portion of the connector bolts 75. It is apparent that by loosening locking nuts 80, clips 74 can be moved toward and away from guide rail R in the direction of the arrows of figure 2 and can be securely

locked in position by tightening jack bolts 78 and then by retightening locking nuts 80.

It is to be understood that when the apparatus of the invention is installed within the hoistway in the manner shown in Figure 1A, the various degrees of adjustment available to the installer permits the installer to precisely lo

In the Specification: Page 20, first Paragraph beginning on line 1:

Amended Paragraph:

Adjustably interconnected with first connector bracket 84 is a second connector bracket 120. Second bracket 120 has a first leg 122 and a second leg 124 that extends generally perpendicular to first leg 122. As illustrated in figure 5, first leg 122 is provided with a pair of spaced-apart, outwardly extending side walls 126 and 128 each of which is provided with a bore 130, the purpose of which will presently be described.

Version with markings to show changes made: Page 20, first paragraph beginning on line 1

Amend Paragraph:

Adjustably interconnected with first connector bracket [86] 84 is a second connector bracket 120. Second bracket 120 has a first leg 122 and a second leg 124 that extends generally perpendicular to first leg 122. As illustrated in figure 5, first leg 122 is provided with a pair of spaced-apart, outwardly extending side walls 126 and 128 each of which is provided with a bore 130, the purpose of which will presently be described.

In the Specification: Page 22 partial paragraph commencing on line 1 with the correction at line 5:

Amended Paragraph

system shown in figure 1B to first leg 122 of second bracket 120 in the manner illustrated in figures 5 and 6. In this latest form of the invention, the connector means comprises first and second spaced-apart connector clips 144 that are of a similar construction to the earlier identified connector clips 74. Connector clips 144 are adjustably connected to first leg of connector bracket 120 by threaded bolts 145. Each connector clip 144 has a rail engagement leg 144a that is adapted to clampingly engage the legs R-1 of the guide rail R. Bores 130 formed in outwardly extending walls 126 and 128 of leg 122 are adapted to receive a threaded jackbolt 150. Jackbolts 150 are each threadably received within an adjustment nut 151. Adjustment nuts 151 bear upon the outer surface of walls 126 and 128 so that, when the jackbolts are threaded inwardly and outwardly with respect to nuts 151, clips 144 can be adjusted relative to leg 122. Each of the jackbolts 150 terminates in an end 150a that is in engagement with a selected one of the connector clips 144 so that by loosening bolts 145 and threading the jackbolts inwardly and outwardly relative to nuts 151, clips 144 can be moved into and out of clamping engagement with legs R-1 of rail R. To permit this adjustment, leg

122 of bracket 120 is provided with a pair of spaced-apart slots 152 that accept the shank portion of the connector bolts 145. It is apparent that by loosening locking nuts 145a, clips 144 can be moved toward and away from

Version with markings to show changes made: Page 22 commencing with partial paragraph on line 1 with the correction at line 5:

Amend Paragraph

system shown in figure 1B to first leg 122 of second bracket 120 in the manner illustrated in figures 5 and 6. In this latest form of the invention, the connector means comprises first and second spaced-apart connector clips 144 that are of a similar construction to the earlier identified connector clips 74. Connector clips [124] 144 are adjustably connected to first leg of connector bracket 120 by threaded bolts 145. Each connector clip 144 has a rail engagement leg 144a that is adapted to clampingly engage the legs R-1 of the guide rail R. Bores 130 formed in outwardly extending walls 126 and 128 of leg 122 are adapted to receive a threaded jackbolt 150. Jackbolts 150 are each threadably received within an adjustment nut 151. Adjustment nuts 151 bear upon the outer surface of walls 126 and 128 so that, when the jackbolts are threaded inwardly and outwardly with respect to nuts 151, clips 144 can be adjusted relative to leg 122. Each of the jackbolts 150 terminates in an end 150a that is in engagement with a selected one of the connector clips 144 so that by loosening bolts 145 and threading the jackbolts inwardly and outwardly relative to nuts 151, clips 144 can be moved into and out of clamping engagement with legs R-1 of rail R. To permit this adjustment, leg



122 of bracket 120 is provided with a pair of spaced-apart slots 152 that accept the shank portion of the connector bolts 145. It is apparent that by loosening locking nuts 145a, clips 144 can be moved toward and away from

In the Specification: Page 24 partial paragraph beginning on line 1 with the correction at line 2:

Amended Paragraph:

apertures 168 and 170 are the threaded shank portions 174a of a pair of anchor bolts 174, the body portions 174b of which are embedded within the concrete of the supporting wall W-2. The threaded shank portions 174a of bolts 174 extend through apertures 168 and 170 and are interconnected with leg 162 of bracket 160 by locking nuts 177 respectively.

Version with markings to show changes made: Page 24 partial paragraph  
beginning on line 1 with the correction at line 2

Amend Paragraph:

apertures 168 and 170 are the threaded shank portions 174a of a pair of anchor bolts [170] 174, the body portions 174b of which are embedded within the concrete of the supporting wall W-2. The threaded shank portions 174a of bolts 174 extend through apertures 168 and 170 and are interconnected with leg 162 of bracket 160 by locking nuts 177 respectively.

In the Specification: Page 25 second full paragraph with the corrections on lines 13 and 16

Amended Paragraph

As best seen in figure 9, leg 198 of second bracket 194 is also provided with a plurality of through holes 208 that are disposed along a third line 210 that extends at an angle with respect to first leg 196 and with respect to line 188. Similarly, leg 198 is provided with another set of through holes 212 that are disposed along a further line 214 that extends at an angle with respect to first leg 196 and with respect to line 192. Through holes 208 formed in bracket 194 are so constructed and arranged that a selected one of the through holes 208 can be moved into index with a selected one of the through holes 186 formed in bracket 160 by a sliding movement of bracket 194 relative to bracket 160. Similarly, through holes 212 formed in bracket 194 are constructed and arranged so that a selected one of the through holes

Version with markings to show changes made: Page 25, second full paragraph with changes on lines 13 and 16

Amend Paragraph

As best seen in figure 9, leg 198 of second bracket 194 is also provided with a plurality of through holes 208 that are disposed along a third line 210 that extends at an angle with respect to first leg 196 and with respect to line [88] 188. Similarly, leg 198 is provided with another set of through holes 212 that are disposed along a further line 214 that extends at an angle with respect to first leg 196 and with respect to line 192. Through holes 208 formed in bracket [164] 194 are so constructed and arranged that a selected one of the through holes 208 can be moved into index with a selected one of the through holes 186 formed in bracket 160 by a sliding movement of bracket 194 relative to bracket 160. Similarly, through holes 212 formed in bracket 194 are constructed and arranged so that a selected one of the through holes

In the Specification: Page 29, last full paragraph on page with correction on line 20

Amended Paragraph

Maintained in engagement with faces 250a of the vertically extending beams 250 by the interconnection means of the invention is the first leg 274a of an elongated, first connector bracket that is generally designated in the drawings by the numeral 274. More particularly, leg 274a of bracket 274 has a first face 275 that engages the outer faces of the columns 250 and a second face 277 that engages the inner faces of legs 262 and 270. Leg 274a of bracket 274 is also provided with an aperture 279 and a slot 281, the purpose of which will presently be described. Interconnecting legs 258 and 266 of first and second angle brackets 256 and 254 is a tie bolt 278. Tie bolt 278

Version with markings to show changes made: Page 29 last paragraph on page with correction on line 20:

Amend Paragraph

Maintained in engagement with faces 250a of the vertically extending beams 250 by the interconnection means of the invention is the first leg 274a of an elongated, first connector bracket that is generally designated in the drawings by the numeral 274. More particularly, leg 274a of bracket 274 has a first face 275 that engages the outer faces of the columns 250 and a second face 277 that engages the inner faces of legs 262 and 270. Leg 274a of bracket 274 is also provided with an aperture 279 and a slot 281, the purpose of which will presently be described. Interconnecting legs 258 and 266 of first and second angle brackets 256 and [258] 254 is a tie bolt 278. Tie bolt 278

In the Specification: Page 30 first partial paragraph corrections on lines 1 and 3

Amended Paragraph

extends through apertures 260 and 268 formed in legs 266 and 258 and is secured in position by a locking nut 279. In this latest form of the invention, angle brackets 256 and 254 comprise part of the interconnection means of the invention for interconnecting first connector bracket 274 with beams 250.



Version with markings to show changes made: Page 30, first partial paragraph with changes at lines 1 and 3

Amend Paragraph

extends through apertures 260 and 268 formed in legs[256] 266 and 258 and is secured in position by a locking nut 279. In this latest form of the invention, angle brackets 256 and [258] 254 comprise part of the interconnection means of the invention for interconnecting first connector bracket 274 with beams 250.

In the Specification: Page 31, second partial paragraph with correction on line 10

Amended Paragraph

Through holes 292 formed in bracket 290 are so constructed and arranged that a selected one of the through holes 292 can be moved into index with a selected one of the through holes 282 formed in bracket 274 by a sliding movement of bracket 290 relative to bracket 274. Similarly, through holes 294 formed in bracket 290 are constructed and arranged so that a selected one of the through holes 294 can be moved into index with a selected one of the through holes 284 formed in bracket 274 when bracket 290 is moved from a first position to a second position relative to bracket 274. More particularly, bracket 290 can be slidably moved relative to bracket 274 in a first direction generally parallel with leg 274a of bracket 274 or, alterna

Version with markings to show changes made: Page 31 second partial paragraph with change on line 10

Amend Paragraph

Through holes 292 formed in bracket [294] 290 are so constructed and arranged that a selected one of the through holes 292 can be moved into index with a selected one of the through holes 282 formed in bracket 274 by a sliding movement of bracket 290 relative to bracket 274. Similarly, through holes 294 formed in bracket 290 are constructed and arranged so that a selected one of the through holes 294 can be moved into index with a selected one of the through holes 284 formed in bracket 274 when bracket 290 is moved from a first position to a second position relative to bracket 274. More particularly, bracket 290 can be slidably moved relative to bracket 274 in a first direction generally parallel with leg 274a of bracket 274 or, alterna-

In the Specification: Page 33, first partial paragraph with correction at line 5

Amended Paragraph

bracket 290. In the present form of the invention, this connector means comprises a pair of spaced apart connector clips 310 that are connected to second leg 290a of connector bracket 290 by threaded bolts 312. Each connector clip 310 has a rail engagement leg 310a that is adapted to clampingly engage the legs of the guide rail ER-2 in the manner shown in figure 12.

Version with markings to show changes made: Page 33, first partial paragraph with change at line 5

Amend Paragraph

bracket 290. In the present form of the invention, this connector means comprises a pair of spaced apart connector clips 310 that are connected to second leg 290a of connector bracket 290 by threaded bolts 312. Each connector clip 310 has a rail engagement leg 310a that is adapted to clampingly engage the legs of the guide rail [R-3] ER-2 in the manner shown in figure 12.

In the Specification: Page 34 first partial paragraph with changes at lines 3 and 4

Amended Paragraph

also provided with an aperture 339 and a slot 341, the purpose of which will presently be described. Interconnecting legs 318 and 326 of first and second angle brackets 316 and 314 is a tie bolt 338. Tie bolt 338 extends through apertures 320 and 328 formed in legs 326 and 318 and is secured in position by a locking nut 339.

Version with markings to show changes made: Page 34, first partial paragraph beginning on line 1 with changes at lines 3 and 4

Amend Paragraph

also provided with an aperture 339 and a slot 341, the purpose of which will presently be described. Interconnecting legs 318 and 326 of first and second angle brackets 316 and [318] 314 is a tie bolt 338. Tie bolt 338 extends through apertures 320 and 328 formed in legs [316] 326 and 318 and is secured in position by a locking nut 339.

In the Specification: Page 34, last paragraph beginning on line 18 with  
change at line 19

Amended Paragraph

Second connector bracket 350, which functions to adjustably support  
rail ER-1, is adjustably interconnected with first connector bracket 334 in a  
manner now to be described. Like bracket 334, leg 350b of connector



Version with markings to show changes made: Page 34 last paragraph beginning on line 18 with change at line 19

Second connector bracket 350, which functions to adjustably support rail [R-2] ER-1, is adjustably interconnected with first connector bracket 334 in a manner now to be described. Like bracket 334, leg 350b of connector

In the Specification: Page 35, second full paragraph beginning on line 9  
with change at line 9

Amended Paragraph

Through holes 352 formed in bracket 350 are so constructed and arranged that a selected one of the through holes 352 can be moved into index with a selected one of the through holes 342 formed in bracket 334 by a sliding movement of bracket 350 relative to bracket 334. Similarly, through holes 354 formed in bracket 350 are constructed and arranged so that a selected one of the through holes 344 formed in bracket 334 when bracket 350 is moved from a first position to a second position relative to bracket 334. More particularly, bracket 350 can be slidably moved relative to bracket 334 in a first direction generally parallel with leg 334a of bracket 334 or, alternatively, can be slidably moved in a second direction generally perpendicular to leg 334a of bracket 334.

Version with markings to show changes made: Page 35 second full paragraph beginning at line 9 with change at line 9

Through holes 352 formed in bracket [354] 350 are so constructed and arranged that a selected one of the through holes 352 can be moved into index with a selected one of the through holes 342 formed in bracket 334 by a sliding movement of bracket 350 relative to bracket 334. Similarly, through holes 354 formed in bracket 350 are constructed and arranged so that a selected one of the through holes 344 formed in bracket 334 when bracket 350 is moved from a first position to a second position relative to bracket 334. More particularly, bracket 350 can be slidably moved relative to bracket 334 in a first direction generally parallel with leg 334a of bracket 334 or, alternatively, can be slidably moved in a second direction generally perpendicular to leg 334a of bracket 334.

In the Specification: Page 36, first full paragraph with change at line 3

Amended Paragraph

When second connector bracket 350 is correctly aligned with first connector bracket 334 and a selected one of the through holes 352 is indexably aligned with a selected one of the through holes 342, a first bolt, such as a bolt 361, can be introduced into the aligned through holes. Similarly, when the connector bracket 350 is correctly aligned with bracket 334 and a selected one of the through holes 354 is indexably aligned with a selected one of the through holes 344, a second bolt, such as a bolt 363, can be introduced into the aligned through holes. With the bolts 361 and 363 in position with the square shank portions thereof closely received within the aligned holes, nuts such as nut 368 can be used to securely interconnect connector bracket 350 with bracket 334 in the manner shown in figures 10, 11 and 12. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets. Brackets 254, 256, 314 and 316, along with tie bolts 373, 373a, 278, and 338 comprise the interconnection means of this latest embodiment for maintaining brackets 274 and 334 in engagement with the structural components or beams 250.

Version with markings to show changes made: Page 36 first full paragraph  
with change at line 3

Amend Paragraph

When second connector bracket 350 is correctly aligned with first connector bracket 334 and a selected one of the through holes 352 is indexably aligned with a selected one of the through holes [312] 342, a first bolt, such as a bolt 361, can be introduced into the aligned through holes. Similarly, when the connector bracket 350 is correctly aligned with bracket 334 and a selected one of the through holes 354 is indexably aligned with a selected one of the through holes 344, a second bolt, such as a bolt 363, can be introduced into the aligned through holes. With the bolts 361 and 363 in position with the square shank portions thereof closely received within the aligned holes, nuts such as nut 368 can be used to securely interconnect connector bracket 350 with bracket 334 in the manner shown in figures 10, 11 and 12. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets. Brackets 254, 256, 314 and 316, along with tie bolts 373, 373a, 278, and 338 comprise the interconnection means of this

latest embodiment for maintaining brackets 274 and 334 in engagement with the structural components or beams 250.

In the Specification: Page 37, first partial paragraph with change at line 6

Amended Paragraph

the guide rail ER-1 of the elevator system to leg 350a of second connector bracket 350. In the present form of the invention, this connector means comprises a pair of spaced apart connector clips 370 that are connected to second leg 350a of connector bracket 350 by threaded bolts 372. Each connector clip 370 has a rail engagement leg 370a that is adapted to clampingly engage the legs of the guide rail ER-1 in the manner shown in figure 12.

Version with markings to show changes made: Page 37, first partial paragraph with change at line 6

Amend Paragraph

the guide rail ER-1 of the elevator system to leg 350a of second connector bracket 350. In the present form of the invention, this connector means comprises a pair of spaced apart connector clips 370 that are connected to second leg 350a of connector bracket 350 by threaded bolts 372. Each connector clip 370 has a rail engagement leg 370a that is adapted to clampingly engage the legs of the guide rail [R-2] ER-1 in the manner shown in figure 12.



In the Specification: Page 37, second full paragraph beginning at line 7 with changes at lines 13, 16 and 19

Amended Paragraph

As shown in figure 12, assemblies 252 and 252a are connected together by a pair of tie bolts 373 and 373a. Tie bolt 373 extends through apertures 264 and 324 formed in brackets 254 and 314 respectively. Tie bolt 373a extends through apertures 272 and 332 of angle brackets 256 and 316. Tie bolt 373 also extends through apertures 279 and 339 formed in legs 274a and 334a of brackets 274 and 334. Tie bolt 373a also extends through slots 281 and 341 formed in legs 274a and 334a of brackets 274 and 334. Because of the configuration of slots 281 and 341, angle brackets 256 and 316 are free to move longitudinally of brackets 274 and 334 to accommodate for any misalignment of rails ER-1 and ER-2. In this latest form of the invention, angle brackets 314 and 316, along with tie bolts 373 and 373a comprise the beam interconnection means of the invention for interconnecting connector bracket 334 with tie bolts 373 and 373a.

Version to show changes made: Page 37, second full paragraph beginning on line 7 with changes at lines 13, 16, and 19

Amend Paragraph

As shown in figure 12, assemblies 252 and 252a are connected together by a pair of tie bolts 373 and 373a. Tie bolt 373 extends through apertures 264 and 324 formed in brackets 254 and 314 respectively. Tie bolt 373a extends through apertures 272 and 332 of angle brackets 256 and 316. Tie bolt 373 also extends through apertures 279 and 339 formed in legs 274a and 334a of brackets 274 and 334. Tie bolt 373a also extends through slots 281 and 341 formed in legs 274a and 334a [of legs 274a and 334a] of brackets 274 and 334. Because of the configuration of slots 281 and 341, angle brackets 256 and 316 are free to move longitudinally of brackets 274 and 334 to accommodate for any misalignment of rails [R-2] ER-1 and [R-3] ER-2. In this latest form of the invention, angle brackets 314 and 316, along with tie bolts 373 and 373a comprise the beam interconnection means of the invention for interconnecting connector bracket 334 with [beams] tie bolts 373 and 373a.

In the Specification: Page 38, second full paragraph beginning at line 12  
with change at line 18

Amended Paragraph

As shown in figure 16, each of the connector assemblies 382 and 382a of this latest form of the invention comprises a first connector bracket 384 and a second connector bracket 386 that is adjustably connected to first bracket 384. In a manner presently to be described, adjustment assemblies 383, which here comprise the interconnection means of this latest form of the invention, maintain the first leg 384a of each of the brackets 384 in pres-  
sural engagement with faces 380a of the vertically extending beams 380.

Version with markings to show changes made: Page 38, second full paragraph beginning at line 12 with change at line 18

Amend Paragraph

As shown in figure 16, each of the connector assemblies 382 and 382a of this latest form of the invention comprises a first connector bracket 384 and a second connector bracket 386 that is adjustably connected to first bracket 384. In a manner presently to be described, adjustment assemblies 383, which here comprise the interconnection means of this latest form of the invention, maintain the first leg 384a of each of the brackets 384 in pres-sural engagement with faces 380a of the [horizontally] vertically extending beams 380.

In the Specification: Page 39, second partial paragraph beginning at line 10 with changes at lines 11, 17, and 19

Amended Paragraph

Second connector bracket 386, which functions to adjustably support rail ER-3, is adjustably interconnected with first connector bracket 384 in a manner now to be described. Like bracket 384, leg 386a of connector bracket 386 is provided with first and second sets of through holes 402 and 404. Holes 402 are disposed along a third line 406 that extends angularly with respect to second leg 386b of connector bracket 386 and also angularly with respect to line 396. Similarly, through holes 404 are disposed along a fourth line 408 that extends angularly with respect to leg 386b of connector bracket 386 and also angularly with respect to line 398. Each of the through holes 402 and 404 of brackets 386 are also generally rectangular in

Version with markings to show changes made: Page 39, second partial paragraph beginning at line 10 with changes at lines 11, 17, and 19

Amend Paragraph

Second connector bracket 386, which functions to adjustably support rail ER-3, is adjustably interconnected with first connector bracket [274] 384 in a manner now to be described. Like bracket 384, leg 386a of connector bracket 386 is provided with first and second sets of through holes 402 and 404. Holes 402 are disposed along a third line 406 that extends angularly with respect to second leg 386b of connector bracket 386 and also angularly with respect to line 396. Similarly, through holes 404 are disposed along a fourth line 408 that extends angularly with respect to leg [386] 386b of connector bracket 386 and also angularly with respect to line 398. Each of the through holes 402 and 404 of brackets [382 and 382a] 386 are also generally rectangular in

In the Specification: Page 40, second full paragraph with changes at lines 3, 5, and 9

Amended Paragraph:

Through holes 402 formed in brackets 386 are so constructed and arranged that a selected one of the through holes 402 can be moved into index with a selected one of the through holes 392 formed in brackets 384 by a sliding movement of the brackets 386 relative to the brackets 384. Similarly, through holes 404 formed in brackets 386 are constructed and arranged so that a selected one of the through holes 404 can be moved into index with a selected one of the through holes 394 formed in bracket 384 when brackets 386 are moved from a first position to a second position relative to bracket 384. More particularly, brackets 386 can be slidably moved relative to brackets 384 in a first direction generally parallel with legs 384a of bracket 384 or, alternatively, can be slideably moved in a second direction generally perpendicular to legs 384a of bracket 384.

Version with markings to show changes made: Page 40 first full paragraph beginning at line 3 with changes at lines 3, 5, and 9

Amend Paragraph

Through holes 402 formed in brackets [294] 386 are so constructed and arranged that a selected one of the through holes 402 can be moved into index with a selected one of the through holes 392 formed in brackets [386] 384 by a sliding movement of the brackets 386 relative to the brackets 384. Similarly, through holes 404 formed in brackets 386 are constructed and arranged so that a selected one of the through holes [404] 394 can be moved into index with a selected one of the through holes 404 formed in bracket 384 when brackets 386 are moved from a first position to a second position relative to bracket 384. More particularly, brackets 386 can be slidably moved relative to brackets 384 in a first direction generally parallel with legs 384a of bracket 384 or, alternatively, can be slideably moved in a second direction generally perpendicular to legs 384a of bracket 384.



In the Specification: Page 43, second paragraph beginning at line 9 with  
change at line 11

Amended Paragraph

As shown in figure 16A, first connector bracket 334 has a second leg 334b that extends generally perpendicularly to leg 334a. Formed within second leg 334b of connector bracket 334 are first and second sets of through holes 342 and 344, the purpose of which will presently be described. Holes 342 are disposed along a first line 346 that extends angularly with respect to first leg 334a of connector bracket 334. Similarly, through holes 344 are disposed along a second line 348 that extends angularly with respect to first leg 334a of connector bracket 334. Each of the through holes 342 and 344 are generally rectangular in plan and are of a size and shape to closely receive the square shank portion of threaded connector bolts which, in a manner presently to be described, are used to interconnect a second connector bracket 350 with bracket 334.

Version with markings to show changes made: Page 43, second paragraph  
beginning at line 9 with change at line 11

Amend Paragraph

As shown in figure 16A, first connector bracket 334 has a second leg 334b that extends generally perpendicularly to leg 334a. Formed within second leg [234b] 334b of connector bracket 334 are first and second sets of through holes 342 and 344, the purpose of which will presently be described. Holes 342 are disposed along a first line 346 that extends angularly with respect to first leg 334a of connector bracket 334. Similarly, through holes 344 are disposed along a second line 348 that extends angularly with respect to first leg 334a of connector bracket 334. Each of the through holes 342 and 344 are generally rectangular in plan and are of a size and shape to closely receive the square shank portion of threaded connector bolts which, in a manner presently to be described, are used to interconnect a second connector bracket 350 with bracket 334.

In the Specification: Page 45 second paragraph beginning at line 7 with change at line 7

Amended Paragraph

When second connector bracket 350 is correctly aligned with first connector bracket 334 and a selected one of the through holes 352 is indexably aligned with a selected one of the through holes 342, a first bolt, such as a bolt 361, can be introduced into the aligned through holes. Similarly, when the connector bracket 350 is correctly aligned with bracket 334 and a selected one of the through holes 354 is indexably aligned with a selected one of the through holes 344, a second bolt, such as a bolt 363, can be introduced into the aligned through holes. With the bolts 361 and 363 in position with the square shank portions thereof closely received within the aligned holes, nuts such as nut 368 can be used to securely interconnect connector bracket 350 with bracket 334 in the manner shown in the drawings. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets.

Version with markings to show changes made: Page 45, second paragraph beginning at line 5 with change at line 7

Amend Paragraph

When second connector bracket 350 is correctly aligned with first connector bracket 334 and a selected one of the through holes 352 is indexably aligned with a selected one of the through holes [312] 342, a first bolt, such as a bolt 361, can be introduced into the aligned through holes. Similarly, when the connector bracket 350 is correctly aligned with bracket 334 and a selected one of the through holes 354 is indexably aligned with a selected one of the through holes 344, a second bolt, such as a bolt 363, can be introduced into the aligned through holes. With the bolts 361 and 363 in position with the square shank portions thereof closely received within the aligned holes, nuts such as nut 368 can be used to securely interconnect connector bracket 350 with bracket 334 in the manner shown in the drawings. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets.

In the Specification: Page 46, second paragraph beginning at line 9 with  
change at line 13

Amended Paragraph

The connector apparatus of this latest form of the invention also includes third and fourth spaced-apart right angle brackets 446 and 448. Bracket 446 has a first generally planar, outwardly extending leg 449 that has an aperture 450 formed therein and a second perpendicularly extending second leg 452 that has an aperture 454 extending there through. Bracket 448 also has a first generally planar, outwardly extending leg 456 that has an aperture 458 formed therein and a second perpendicularly extending second leg 460 that has a slot 462 extending there through.

Version with markings to show changes made: Page 46, second paragraph  
beginning at line 9 with change at line 13

Amend Paragraph

The connector apparatus of this latest form of the invention also includes third and fourth spaced-apart right angle brackets 446 and 448. Bracket 446 has a first generally planar, outwardly extending leg 449 that has an aperture 450 formed therein and a second perpendicularly extending second leg 452 that has an aperture 454 [and 455] extending there through. Bracket 448 also has a first generally planar, outwardly extending leg 456 that has an aperture 458 formed therein and a second perpendicularly extending second leg 460 that has a slot 462 extending there through.

In the Specification: Page 47 first partial paragraph beginning at line 1 with  
change at line 1

Amended Paragraph

the columns 440 and a second face 469 that engages the inner faces of legs  
452 and 460 of brackets 446 and 448. Interconnecting legs 449 and 456 of  
second and third angle brackets 446 and 448 is a tie bolt 470. Tie bolt 470  
extends through apertures 450 and 458 formed in legs 449 and 456 and is  
secured in position by a locking nut 471.

Version with markings to show changes made: first partial paragraph beginning at line 1 with change at line 1

Amend Paragraph

the columns [460] 440 and a second face 469 that engages the inner faces of legs 452 and 460 of brackets 446 and 448. Interconnecting legs 449 and 456 of second and third angle brackets 446 and 448 is a tie bolt 470. Tie bolt 470 extends through apertures 450 and 458 formed in legs 449 and 456 and is secured in position by a locking nut 471.



In the Specification: Page 47 second paragraph beginning at line 6 with changes at lines 8, 9, 11, 12, 16, and 17

Amended Paragraph

As shown in figure 16B, the assemblage made up of angle brackets 446, 448 and 464 and tie bolt 470 are interconnected with assembly 442 by a pair of tie bolts 475 and 477. Tie bolt 475 extends through apertures 454 and 324 formed in brackets 464 and 314 respectively. Tie bolt 477 extends through slots 462 and 443 of angle brackets 448 and 316 respectively. Tie bolt 475 also extends through apertures 455 and 445 formed in legs 464a and 334a of brackets 464 and 334. Tie bolt 477 also extends through slots 462 and 443 formed in legs 460 and 330 of brackets 448 and 316 respectively. Because of the configuration of slots 462 and 443, assembly 442 is free to move longitudinally of columns 440 to accommodate for any misalignment of rail ER-6. In this latest form of the invention, angle brackets 316, 318, 448 and 446, along with tie bolts 475 and 477 comprise the beam interconnection means of the invention for interconnecting connector bracket 334 with beams 440.

Version with markings to show changes made: Page 47 second paragraph  
beginning at line 6 with changes at lines 8, 9, 11, 12, 16, 17

Amend Paragraph

As shown in figure 16B, the assemblage made up of angle brackets 446, 448 and 464 and tie bolt 470 are interconnected with assembly 442 by a pair of tie bolts 475 and [475] 477. Tie bolt 475 extends through apertures 454 and 324 formed in brackets 464 and [334] 314 respectively. Tie bolt 477 extends through slots 462 and 443 of angle brackets 448 and 316 respectively. Tie bolt 475 also extends through apertures [454] 455 and 445 formed in legs 464a and 334a of brackets [446] 464 and 334. Tie bolt 477 also extends through slots 462 and 443 formed in legs 460 and 330 of brackets 448 and 316 respectively. Because of the configuration of slots 462 and 443, assembly 442 is free to move longitudinally of columns 440 to accommodate for any misalignment of rail [R-6] ER-6. In this latest form of the invention, angle brackets 316, 318, 448 and [449] 446, along with tie bolts 475 and 477 comprise the beam interconnection means of the invention for interconnecting connector bracket 334 with beams 440.

In the Specification: Page 48, first paragraph beginning at line 1 with  
change at line 9

Amended Paragraph

Turning next to figures 17, 18 and 19, these drawings more fully illustrate the form of the connector apparatus of the invention shown in portion E of figure 1B. This apparatus, which is generally designated by the numeral 480, functions to interconnect rails R-4 and R-5 with a horizontally extending beam 482. The apparatus here comprises a bracket in the form of a generally "U"-shaped member 484 (figure 18) and first, second, third and fourth angle brackets 485, 486, 488 and 490 that are connected to the bight portion 492 thereof (figure 19). In addition to the generally planar bight portion 492, member 484 has first and second upstanding legs or side portions 494 and 496 that extend generally perpendicular to bight portion 492.

Version with markings to show changes made: Page 48, first paragraph beginning at line 1 with change at line 9

Amend Paragraph

Turning next to figures 17, 18 and 19, these drawings more fully illustrate the form of the connector apparatus of the invention shown in portion E of figure 1B. This apparatus, which is generally designated by the numeral 480, functions to interconnect rails R-4 and R-5 with a horizontally extending beam 482. The apparatus here comprises a bracket in the form of a generally "U"-shaped member 484 (figure 18) and first, second, third and fourth angle brackets 485, 486, 488 and 490 that are connected to the bight portion 492 thereof (figure 19). In addition to the generally planar bight portion 492, member [482] 484 has first and second upstanding legs or side portions 494 and 496 that extend generally perpendicular to bight portion 492.

In the Specification: Page 48, second paragraph beginning at line 11 with change at line 11

Amended Paragraph

As best seen in figure 17, spaced-apart brackets 485 and 486 are connected by a tie bolt 500, while spaced-apart brackets 488 and 490 are connected by a tie bolt 502. Disposed closely adjacent to one side of beam 482 and interconnecting first and third brackets 485 and 488 with a pair of capture plates 506 (figure 19) are spaced-apart tie bolts 508 and 510 respectively. In similar fashion, tie bolts 512 and 514, that are also disposed closely adjacent the opposite side of beam 482, function to interconnect second and fourth angle brackets 486 and 490 with spaced-apart capture plates 506.

Version with markings to show changes made: Page 48 second paragraph  
beginning at line 11 with change at line 11

Amend Paragraph

As best seen in figure 17, spaced-apart brackets [484] 485 and 486 are connected by a tie bolt 500, while spaced-apart brackets 488 and 490 are connected by a tie bolt 502. Disposed closely adjacent to one side of beam 482 and interconnecting first and third brackets 485 and 488 with a pair of capture plates 506 (figure 19) are spaced-apart tie bolts 508 and 510 respectively. In similar fashion, tie bolts 512 and 514, that are also disposed closely adjacent the opposite side of beam 482, function to interconnect second and fourth angle brackets 486 and 490 with spaced-apart capture plates 506.

In the Specification: Page 49, first paragraph beginning at line 1 with  
change at line 4

Amended Paragraph

As shown in figure 17, the underside of U shaped member 484 and the upper sides capture plates 506 are held in secure engagement with beam 482 by the four tie bolts 508, 510, 512, and 514. As is also shown in figure 17, slots 517 formed in U-shaped member 484 permit transverse movement of the U-shaped member 484 relative to beam 482. In this latest form of the invention, angle brackets 485, 486, 488 and 490, along with capture plates 506 and tie bolts 500, 502, 508, 510, 512 and 514 comprise the beam interconnection means of the invention for interconnecting connector bracket 484 with beam 482.

Version with markings to show changes made: Page 49, first paragraph beginning at line 1 with change at line 4

Amend Paragraph

As shown in figure 17, the underside of U shaped member 484 and the upper sides capture plates 506 are held in secure engagement with beam 482 by the four tie bolts 508, 510, 512, and 514. As is also shown in figure 17, slots 517 formed in [angle brackets 486 and 490] U-shaped member 484 permit transverse movement of the U-shaped member 484 relative to beam 482. In this latest form of the invention, angle brackets 485, 486, 488 and 490, along with capture plates 506 and tie bolts 500, 502, 508, 510, 512 and 514 comprise the beam interconnection means of the invention for interconnecting connector bracket 484 with beam 482.



In the Specification: Page 56, first paragraph beginning at line 1 with  
change at line 3

Amended Paragraph

Considering now the embodiment of the invention shown in figures 26 and 27, this embodiment is similar in many respects to that shown in figures 8 and 9 and like numbers are used to identify like components. This latest embodiment comprises a connector apparatus for interconnecting the guide rail R-10 of an elevator system with a wall W-5 of the building structure that houses the elevator system. As best seen in figure 27, the connector assembly 590 of this latest form of the invention comprises a first connector bracket 160 that is substantially identical to bracket 160 of figure 9 and includes a first generally planar first leg 162 that is adjustably connected to the supporting structure W-5 in the manner described in connection with the embodiment of figure 9.

Version with markings to show changes made: Page 56, first paragraph beginning at line 1 with change at line 3

#### Amend Paragraph

Considering now the embodiment of the invention shown in figures 26 and 27, this embodiment is similar in many respects to that shown in figures 8 and [19] 9 and like numbers are used to identify like components. This latest embodiment comprises a connector apparatus for interconnecting the guide rail R-10 of an elevator system with a wall W-5 of the building structure that houses the elevator system. As best seen in figure 27, the connector assembly 590 of this latest form of the invention comprises a first connector bracket 160 that is substantially identical to bracket 160 of figure 9 and includes a first generally planar first leg 162 that is adjustably connected to the supporting structure W-5 in the manner described in connection with the embodiment of figure 9.

In the Specification: Page 56, second paragraph beginning at line 12 with change at line 15

Amended Paragraph

Second leg 164 of bracket 160 is provided with a first set of through holes 186 and a spaced apart second set of first through holes 190. Adjustably interconnected with first connector bracket 160 is a second connector bracket 594. Second bracket 594 has a first leg 596 and a second leg 598 that extends generally perpendicular to first leg 596. Second bracket 594 is also provided with a first set of through holes 600 that are disposed along a first line 601 that extends at an angle with respect to first leg 596. Similarly, leg 598 is provided with another set of through holes 602 that are disposed along a line 604 that extends at an angle with respect to first leg 596. As in

Version with markings to show changes made: Page 56, second paragraph  
beginning at line 12 with change at line 15

Amend Paragraph

Second leg 164 of bracket 160 is provided with a first set of through holes 186 and a spaced apart second set of first through holes 190. Adjustably interconnected with first connector bracket 160 is a second connector bracket 594. Second bracket [194] 594 has a first leg 596 and a second leg 598 that extends generally perpendicular to first leg 596. Second bracket 594 is also provided with a first set of through holes 600 that are disposed along a first line 601 that extends at an angle with respect to first leg 596. Similarly, leg 598 is provided with another set of through holes 602 that are disposed along a line 604 that extends at an angle with respect to first leg 596.

As in

In the Specification: Page 59, third partial paragraph beginning at line 15  
with change at line 17

Amended Paragraph

As best seen in figure 29, connector bracket 42 of this latest embodiment has a second leg 42b that extends generally perpendicularly to leg 42a. Formed within second leg 42b of connector bracket 42 are first and second sets of through holes 59 and 61 that are adapted to index with first and second sets of through holes 633 and 635 formed in leg 628b of bracket 628. More particularly, as in the embodiment of figure 2, through holes 633

Version with markings to show changes made: Page 59 third partial paragraph beginning at line 15 with change at line 17

Amend Paragraph

As best seen in figure 29, connector bracket 42 of this latest embodiment has a second leg 42b that extends generally perpendicularly to leg 42a. Formed within second leg [42] 42b of connector bracket 42 are first and second sets of through holes 59 and 61 that are adapted to index with first and second sets of through holes 633 and 635 formed in leg 628b of bracket 628. More particularly, as in the embodiment of figure 2, through holes 633

In the Specification: Page 60, last two lines on that page, beginning at line 19 with changes at line 20

Amended Paragraph

Also forming a part of the connector apparatus of the form of the invention shown in figures 28 and 29 are connector means for interconnecting

Version with markings to show changes made: Page 60 last two lines on  
page beginning at line 19 with change at line 20

Amend Paragraph

Also forming a part of the connector apparatus of the form of the in-  
vention shown in figures [30] 28 and [31] 29 are connector means for inter-  
connecting



In the Specification: Page 61 second full paragraph beginning at line 7 with changes at lines 11, 14, 15

Amended Paragraph

Bolts 75 extend through slots 639 provided in leg 628a of bracket 628 and also extend through apertures 641 provided in a pair of angle brackets 644 that are connected to bracket 628 by the bolts 75 and nuts 80 in the manner best seen in figure 29. Brackets 644 include an outwardly extending leg 644a, each of which is provided with an aperture 645 that accepts a threaded jackbolt 648. The ends 648a of each of the jackbolts engage earlier identified central wall 630 so that by threading the jackbolts inwardly and outwardly relative to wall 630, the position of angle brackets 644 along with clips 638 can be adjusted to further accommodate any misalignment of rail R-11.

Version with markings to show changes made: Page 61 second full paragraph beginning at line 7 with changes at lines 11, 14, and 15

Amend Paragraph

Bolts 75 extend through slots 639 provided in leg 628a of bracket 628 and also extend through apertures 641 provided in a pair of angle brackets 644 that are connected to bracket 628 by the bolts 75 and nuts 80 in the manner best seen in figure 29. Brackets 644 include an outwardly extending leg 644a, each [if] of which is provided with an aperture 645 that accepts a threaded jackbolt 648. The ends 648a of each of the jackbolts engage earlier identified central wall 630 so that by threading the jackbolts inwardly and outwardly relative to wall 630, the position of angle brackets [610] 644 along with clips [228] 638 can be adjusted to further accommodate any misalignment of rail R-11.

In the Specification: Page 63, first paragraph beginning at line 1 with changes at lines 4 and 6

Amended Paragraph

As shown in figure 30, the underside of U-shaped member 662 and the upper sides capture plates 678 are held in secure engagement with beam 660 by the four tie bolts 680, 682, 684 and 686. As is also shown in figure 32, slots 689 formed in angle bracket 662 permit transverse movement of the U-shaped member 662 relative to beam 660. In this latest form of the invention, angle brackets 664, 666, 668 and 670, along with capture plates 678 and tie bolts 680, 682, 684, and 686, comprise the beam interconnection means of the invention for interconnecting connector bracket 662 with beam 660.

Version with markings to show changes made: Page 63 first fill paragraph  
beginning at line 1 with changes at lines 4 and 6

Amend Paragraph

As shown in figure 30, the underside of U-shaped member 662 and the upper sides capture plates 678 are held in secure engagement with beam 660 by the four tie bolts 680, 682, 684 and 686. As is also shown in figure 32, slots 689 formed in angle bracket[s 666 and 668] 662 permit transverse movement of the U-shaped member 662 relative to beam 660. In this latest form of the invention, angle brackets 664, 666, 668 and 670, [486,] along with capture plates 678 and tie bolts 680, 682, 684, and 686, comprise the beam interconnection means of the invention for interconnecting connector bracket 662 with beam 660.

In the Specification: Page 63 second full paragraph beginning at line 10  
with change at line 13

Amended Paragraph

Also forming a part of the connector apparatus of this latest form of the invention are connector means for interconnecting guide rails R-12 and R-13 of the elevator system to legs 662b and 662c of U-shaped member 662. This connector means here comprises a pair of spaced apart connector clips 692 and 694 that are connected to first leg 662b of U-shaped member 662 by bolts 695 and a pair of spaced-apart connector clips 696 and 698 that are connected to the second leg 662c of U-shaped member 662 by bolts 699. As best seen in figure 32, each of the connector clips has a rail engagement leg 700 that is adapted to clampingly engage the legs of the guide rails in the manner shown in figure 32.

Version with markings to show changes made: Page 63, second full paragraph beginning at line 10, with changes at line 13

Amend Paragraph

Also forming a part of the connector apparatus of this latest form of the invention are connector means for interconnecting guide rails R-12 and R-13 of the elevator system to legs 662b and 662c of U-shaped member 662. This connector means here comprises a pair of spaced apart connector [slips] clips 692 and 694 that are connected to first leg 662b of U-shaped member 662 by bolts 695 and a pair of spaced-apart connector clips 696 and 698 that are connected to the second leg 662c of U-shaped member 662 by bolts 699. As best seen in figure 32, each of the connector clips has a rail engagement leg 700 that is adapted to clampingly engage the legs of the guide rails in the manner shown in figure 32.

In the Specification: Page 64, first full paragraph beginning at line 1 with changes at lines 2, 3, and 6

Amended Paragraph

As best seen in figure 33, sidewall 662b of U-shaped member 662 is provided with spaced-apart, elongated-bolt-receiving apertures 702 that are adapted to receive connector bolt 695. Similarly, sidewall 662c of the U-shaped member is provided with elongated-bolt-receiving apertures 704 for receiving connector bolts 669. Connector bolts 695 also extend through bores provided in one leg of a pair of angle brackets 706 and 708 and along with nuts 709 function to interconnect brackets 706 and 708 with sidewall 662b. In like manner connector bolts 699 also extend through bores provided in one leg of a pair of angle brackets 710 and 712 and along with nuts 711 function to interconnect brackets 710 and 712 with sidewall 662c of U-shaped member 662.

Version with markings to show changes made: Page 64, first full paragraph beginning at line 1 with changes made at lines 2, 3, and 6

Amend Paragraph

As best seen in figure 33, sidewall 662b of U-shaped member 662 is provided with spaced-apart, elongated-bolt-receiving apertures 702 that are adapted to receive connector bolt [95] 695. Similarly, sidewall 662c of the U-shaped member is provided with elongated-bolt-receiving apertures 704 for receiving connector bolts 669. Connector bolts 695 also extend through bores provided in one leg of a pair of angle brackets 706 and [7087] 708 and along with nuts 709 function to interconnect brackets 706 and 708 with sidewall 662b. In like manner connector bolts 699 also extend through bores provided in one leg of a pair of angle brackets 710 and 712 and along with nuts 711 function to interconnect brackets 710 and 712 with sidewall 662c of U-shaped member 662.



In the Specification: Page 64, second partial paragraph beginning at line 12 with changes at lines 13 and 15

Amended Paragraph

A novel feature of this latest form of the invention comprises adjustment means for adjusting the position of the connector clips relative to member 662. This adjustment means here comprises a jackbolt supporting bracket 716 that is connected to sidewall 662b of U-shaped member 662 by a bolt 714 is a jackbolt supporting bracket 716. Similarly, a jackbolt supporting bracket 718 is connected to sidewall 662c by a bolt 720. Leg 716a of bracket 716 is provided with a threaded bore 716c that is adapted to receive the shank of a threaded jackbolt 722. Angle brackets 706 and 708 are also aperture to receive the shank of jackbolt 722 in the manner shown in

Version with markings to show changes made, second partial paragraph beginning at line 12 with changes at lines 13 and 15

Amend Paragraph

A novel feature of this latest form of the invention comprises adjustment means for adjusting the position of the connector [chips] clips relative to member 662. This adjustment means here comprises a jackbolt supporting bracket 716 that is connected to sidewall [262b] 662b of U-shaped member 662 by a bolt 714 is a jackbolt supporting bracket 716. Similarly, a jackbolt supporting bracket 718 is connected to sidewall 662c by a bolt 720. Leg 716a of bracket 716 is provided with a threaded bore 716c that is adapted to receive the shank of a threaded jackbolt 722. Angle brackets 706 and 708 are also aperture to receive the shank of jackbolt 722 in the manner shown in

In the Specification: Page 66, third partial paragraph starting at line 14 with  
change at line 14

Amended Paragraph

As shown in figure 36, brackets 744 and 746 are connected by a tie bolt 752, while brackets 748 and 750 are connected by a tie bolt 754. Disposed closely adjacent to one side of beam 740 and interconnecting first and third brackets 744 and 748 with a pair of angle brackets 756 (figure 36) are spaced-apart tie bolts 758 and 760 respectively. In similar fashion, tie bolts 762 and 764, that are also disposed closely adjacent the opposite side of beam 740, function to interconnect second and fourth angle brackets 746 and

Version with markings to show changes made: Page 66, third partial paragraph beginning at line 14 with change at line 14

Amend Paragraph

As shown in figure [34], 36 brackets 744 and 746 are connected by a tie bolt 752, while brackets 748 and 750 are connected by a tie bolt 754.

Disposed closely adjacent to one side of beam 740 and interconnecting first and third brackets 744 and 748 with a pair of angle brackets 756 (figure 36) are spaced-apart tie bolts 758 and 760 respectively. In similar fashion, tie bolts 762 and 764, that are also disposed closely adjacent the opposite side of beam 740, function to interconnect second and fourth angle brackets 746 and

In the Specification: Page 67, first full paragraph beginning at line 3 with  
change at line 3

Amended Paragraph

As illustrated in figure 34, the underside of member 742 and the upper sides of angle brackets 756 and 766 are held in secure engagement with beam 740 by the four tie bolts 758, 760, 762 and 764. Slots formed in the lower angle brackets permit transverse movement of member 742 relative to beam 740. In this latest form of the invention, the upper and lower angle brackets, along with tie bolts 758, 760, 762 and 764, comprise the beam interconnection means of the invention for interconnecting connector member 742 with beam 740.

Version with markings to show changes made: Page 67 first full paragraph  
beginning at line 3 with change at line 3

Amend Paragraph

As illustrated in figure 34, the underside of member [662] 742 and the upper sides of angle brackets 756 and 766 are held in secure engagement with beam 740 by the four tie bolts 758, 760, 762 and 764. Slots formed in the lower angle brackets permit transverse movement of member 742 relative to beam 740. In this latest form of the invention, the upper and lower angle brackets, along with tie bolts 758, 760, 762 and 764, comprise the beam interconnection means of the invention for interconnecting connector member 742 with beam 740.

In the Specification: Page 67 second partial paragraph beginning at line 11  
with changes at line 13

Amended Paragraph

A connector bracket 774 of the configuration shown in figure 37 is adjustably connected to connector member 742 by a pair of connector bolts 775 and 777. As best seen in figure 36, connector bracket 774 is provided with first and second sets of through holes 776 and 778, the purpose of which will presently be described. Holes 776 are disposed along a line 780 that extends angularly with respect to a connector leg 774a formed on connector bracket 774. Similarly, through holes 778 are disposed along a line 782 that extends angularly with respect to connector leg 774a of connector bracket 774. Each of the through holes 776 and 778 are generally rectangular in plan and are of a size and shape to closely receive the square shank

Version with markings to show changes made: Page 67 second partial paragraph beginning at line 11 with changes at line 13

Amend Paragraph

A connector bracket 774 of the configuration shown in figure 37 is adjustably connected to connector member 742 by a pair of connector bolts [776] and [778] 775 777. As best seen in figure 36, connector bracket 774 is provided with first and second sets of through holes 776 and 778, the purpose of which will presently be described. Holes 776 are disposed along a line 780 that extends angularly with respect to a connector leg 774a formed on connector bracket 774. Similarly, through holes 778 are disposed along a line 782 that extends angularly with respect to connector leg 774a of connector bracket 774. Each of the through holes 776 and 778 are generally rectangular in plan and are of a size and shape to closely receive the square shank



In the Specification: Page 68 first two lines beginning at line 1 with changes at line 1

Amended Paragraph

portion of the threaded connector bolts 775 and 777 which, are used to inter-connect connector bracket 774 with member 742.

Version with markings to show changes made: Page 68 first two lines beginning at line 1 with changes at line 1

Amend Paragraph

portion of the threaded connector bolts [776] and [778] 775 777 which, are used to interconnect connector bracket 774 with member 742.

In the Specification: Page 68, first full paragraph beginning at line 3 with changes at line 13

Amended Paragraph

Connector bracket 774, which function to adjustably support rail R-14 is adjustably interconnected with member 742 in a manner now to be described. As shown in figure 36 member 742 is provided with first and second sets of through holes 784 and 786. Holes 784 are disposed along a line 788 that extends angularly with respect to the plane of leg 774a of connector bracket 774 and also angularly with respect to line 780. Similarly, through holes 786 are disposed along a line 790 that extends angularly with respect to the plane of leg 774a of connector bracket 774 and also angularly with respect to line 782. Each of the through holes 784 and 786 of member 742 are also generally rectangular in plan and are of a size and shape to closely receive the square shank portion of the threaded connector bolts 775 and 777.

Version with markings to show changes made: Page 68, first full paragraph beginning at line 3 with changes at line 13

Amend Paragraph

Connector bracket 774, which function to adjustably support rail R-14 is adjustably interconnected with member 742 in a manner now to be described. As shown in figure 36 member 742 is provided with first and second sets of through holes 784 and 786. Holes 784 are disposed along a line 788 that extends angularly with respect to the plane of leg 774a of connector bracket 774 and also angularly with respect to line 780. Similarly, through holes 786 are disposed along a line 790 that extends angularly with respect to the plane of leg 774a of connector bracket 774 and also angularly with respect to line 782. Each of the through holes 784 and 786 of member 742 are also generally rectangular in plan and are of a size and shape to closely receive the square shank portion of the threaded connector bolts [776] and [778] 775 777.

In the Specification: Page 69 first partial paragraph beginning at line 1 with changes at line 11

Amended Paragraph

through holes 778 formed in bracket 774 are constructed and arranged so that a selected one of the through holes 778 can be moved into index with a selected one of the through holes 786 formed in member 742 when bracket 774 is slidably moved from a first position to a second position relative to member 742. More particularly, bracket 774 can be slidably moved relative to member 742 in a first direction generally parallel with leg 774a of bracket 774 or, alternatively, can be slidably moved in a second direction generally perpendicular to leg 774a of bracket 774. When connector bracket 774 is correctly aligned with member 742 and when the selected through holes in the components are indexably aligned, the components can be interconnected using bolts 775 and 777 in the manner previously described herein

Version with markings to show changes made: Page 69 first partial paragraph beginning at line 1 with changes at line 13

Amend Paragraph

through holes 778 formed in bracket 774 are constructed and arranged so that a selected one of the through holes 778 can be moved into index with a selected one of the through holes 786 formed in member 742 when bracket 774 is slidably moved from a first position to a second position relative to member 742. More particularly, bracket 774 can be slidably moved relative to member 742 in a first direction generally parallel with leg 774a of bracket 774 or, alternatively, can be slidably moved in a second direction generally perpendicular to leg 774a of bracket 774. When connector bracket 774 is correctly aligned with member 742 and when the selected through holes in the components are indexably aligned, the components can be interconnected using bolts [776] and [778] 775 777 in the manner previously described herein

In the Specification: Page 72, first partial paragraph beginning at line 1,  
with change at line 2

Amended paragraph

through. Similarly, angle bracket 824 has a first generally planar, outwardly extending leg 824a that has an aperture 825a formed therein and a second perpendicularly extending second leg 824b that has an aperture 827 extending there through. In like manner, angle bracket 826 has a first generally planar, outwardly extending leg 826a that has an aperture 829 formed therein and a second perpendicularly extending second leg 826b that has an aperture 831 extending there through. Similarly, angle bracket 828 has a first generally planar, outwardly extending leg 828a that has an aperture 833 formed therein and a second perpendicularly extending second leg 828b that has an aperture 835 extending there through.

Version with markings to show changes made: Page 72 first partial paragraph beginning at line 1 with change at line 2

Amend paragraph

through. Similarly, angle bracket 824 has a first generally planar, outwardly extending leg 824a that has an aperture [825] 825a formed therein and a second perpendicularly extending second leg 824b that has an aperture 827 extending there through. In like manner, angle bracket 826 has a first generally planar, outwardly extending leg 826a that has an aperture 829 formed therein and a second perpendicularly extending second leg 826b that has an aperture 831 extending there through. Similarly, angle bracket 828 has a first generally planar, outwardly extending leg 828a that has an aperture 833 formed therein and a second perpendicularly extending second leg 828b that has an aperture 835 extending there through.



In the Specification: Page 72 last partial paragraph beginning at line 17 with  
change at line 20

Amended Paragraph

As is also illustrated in figure 39, an elongated, threaded tie bolt 858 extends through apertures 823 and 829 and functions to interconnect angle brackets 822 and 826. Similarly, an elongated tie bolt 860 extends through apertures 825a and 833 and functions to interconnect angle brackets 824 and

Version with markings to show changes made: Page 72, last partial paragraph beginning at line 17 with change at line 20

Amend Paragraph

As is also illustrated in figure 39, an elongated, threaded tie bolt 858 extends through apertures 823 and 829 and functions to interconnect angle brackets 822 and 826. Similarly, an elongated tie bolt 860 extends through apertures [825] 825a and 833 and functions to interconnect angle brackets 824 and

In the Specification: Page 73, last partial paragraph beginning at line 17  
with changes at lines 19 and 20

Amended Paragraph

Like bight portion 820a, portion 836 is provided with first and second  
sets of through holes 874 and 876 (figure 39). Holes 874 are disposed along  
the line 880 that extends at an acute angle with respect to sides 820b and  
820c.

Version with markings to show changes made: Page 73, last partial paragraph beginning at line 17 with changes at lines 19 and 20

#### Amend Paragraph

Like bight portion 820a, portion 836 is provided with first and second sets of through holes 874 and 876 (figure 39). Holes 874 are disposed along the line 880 that extends at an acute [angle with respect to first leg 66a of connector bracket 66 and also angularly] with respect to sides 820b and 820c.

In the Specification: Page 79, first partial paragraph beginning at line 3 with change at line 8

Amended Paragraph

Adjustably interconnected with first connector bracket 964 is a second connector bracket 984. Second bracket 984 has a first leg 984a and a second leg 984b that extends generally perpendicular to first leg 984a. As best seen in figures 43 and 45, second bracket 984 is also provided with a plurality of through holes 986 that are disposed along a first line 987 that extends at an acute angle with respect to first leg 984a. Similarly, leg 984 is provided with another set of through holes 988 that are disposed along a line 989 that extends at an acute angle with respect to first leg 984a. Through holes 986 formed in bracket 984 are so constructed and arranged that a selected one of the through holes 986 can be moved into index with a selected one of the through holes 976 formed in bracket 964 by a sliding movement of bracket 984 relative to bracket 964. Similarly, through holes 988 formed in bracket 984 are constructed and arranged so that a selected one of the through holes 988 can be moved into index with a selected one of the through holes 980 formed in bracket 964 when bracket 984 is slidably moved from a first position to a second position relative to bracket 964. More particularly, bracket

984 can be slidably moved relative to bracket 964 in a first direction generally parallel with leg 966 of bracket 964 or, alternatively, can be slidably

Version with markings to show changes made: Page 79 first partial paragraph beginning at line 3 with change at line 8

Amend Paragraph

Adjustably interconnected with first connector bracket 964 is a second connector bracket 984. Second bracket 984 has a first leg 984a and a second leg 984b that extends generally perpendicular to first leg 984a. As best seen in figures 43 and 45, second bracket 984 is also provided with a plurality of through holes 986 that are disposed along a first line 987 that extends at an acute angle with respect to first leg 984a. Similarly, leg [986] 984 is provided with another set of through holes 988 that are disposed along a line 989 that extends at an acute angle with respect to first leg 984a. Through holes 986 formed in bracket 984 are so constructed and arranged that a selected one of the through holes 986 can be moved into index with a selected one of the through holes 976 formed in bracket 964 by a sliding movement of bracket 984 relative to bracket 964. Similarly, through holes 988 formed in bracket 984 are constructed and arranged so that a selected one of the through holes 988 can be moved into index with a selected one of the through holes 980 formed in bracket 964 when bracket 984 is slidably moved from a first position to a second position relative to bracket 964. More particularly, bracket 984 can be slidably moved relative to bracket 964

in a first direction generally parallel with leg 966 of bracket 964 or, alternatively, can be slidably



In the Specification: Page 80, second full paragraph beginning at line 3 with change at line 5

Amended Paragraph

When second connector bracket 984 is correctly aligned with first connector bracket 964 and a selected one of the through holes 986 is indexably aligned with a selected one of the through holes 976, a first bolt, such as a bolt 990, can be introduced into the aligned through holes. Similarly, when the connector bracket 984 is correctly aligned with bracket 964 and a selected one of the through holes 988 is indexably aligned with a selected one of the through holes 980, a second bolt, such as a bolt 991, can be introduced into the aligned through holes. With the bolts 990 and 991 in position with the square shank portions thereof (figure 43) closely received within the aligned holes, nuts can be used to securely interconnect connector bracket 984 with bracket 964 in the manner shown in figures 43 and 44. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets.

Version with markings to show changes made: Page 80, first full paragraph beginning at line 3 with change at line 5

Amend Paragraph

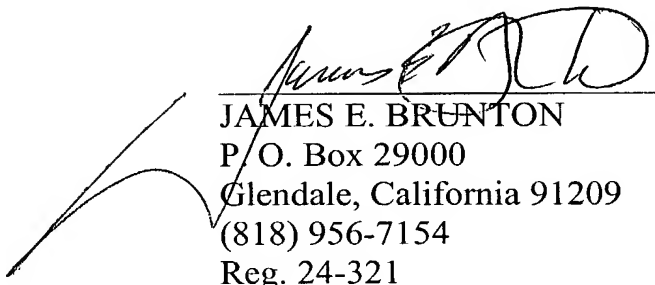
When second connector bracket 984 is correctly aligned with first connector bracket 964 and a selected one of the through holes 986 is indexably aligned with a selected one of the through holes [978] 976, a first bolt, such as a bolt 990, can be introduced into the aligned through holes. Similarly, when the connector bracket 984 is correctly aligned with bracket 964 and a selected one of the through holes 988 is indexably aligned with a selected one of the through holes 980, a second bolt, such as a bolt 991, can be introduced into the aligned through holes. With the bolts 990 and 991 in position with the square shank portions thereof (figure 43) closely received within the aligned holes, nuts can be used to securely interconnect connector bracket 984 with bracket 964 in the manner shown in figures 43 and 44. When the brackets are thusly connected, the square shaped shank portions of the bolts will be snugly received within the indexably aligned through holes in the two brackets and will efficiently prevent sliding movement between the brackets.

**REMARKS**

The paper mailed April 16, 2002 comprised a Notice to File Corrected Application Papers (file formal drawings), the specification has been amended in the manner believed to be in full compliance with 37 C.F.R. 1.121.

The application is now believed in condition for allowance and such favorable action is respectfully submitted.

Respectfully submitted,



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